Instruction Manual

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DVI Video Extender over Cat 6 UTP
High Speed HDMI® over Cat 6 UTP

ST121DVI25
ST121HD25

DE: Bedienungsanleitung - de.startech.com
FR: Guide de l'utilisateur - fr.startech.com
ES: Guía del usuario - es.startech.com
IT: Guida per l'uso - it.startech.com
NL: Gebruiksaanwijzing - nl.startech.com
PT: Guia do usuário - pt.startech.com

Packaging Contents

• 1 x Video Extender Transmitter
• 1 x Video Extender Receiver
• 2 x Universal Power Adapter
• 1 x Instruction Manual

System Requirements

• DVI-D/HDMI enabled video source device (e.g. computer)
• DVI-D/HDMI enabled display device (e.g. monitor, projector)
• Available AC electrical outlet for transmitter and receiver
• DVI-D/HDMI cable from receiver to display
• DVI-D/HDMI cable from video source to transmitter
• Cat6 UTP Ethernet cable (see "Preparing Your Site")

Preparing Your Site

1. Determine where the local video source (i.e. computer) will be located and set up the device.
2. Determine where the remote display will be located and place/ mount the display appropriately.

Please note that both extender units will require a power connection, so please ensure that each unit will be situated near an available AC electrical outlet.

3. If you are using surface cabling, ensure you have enough Cat6 unshielded twisted pair (UTP) Ethernet cabling to connect the Local Unit to the Remote Unit's location, and that each end is terminated with a RJ45 Ethernet connector. The cabling should not go through any networking equipment (i.e. router, switch).

   OR

   If you are using premise cabling, ensure that the Cat6 unshielded twisted pair (UTP) Ethernet Cabling between the Local Unit and the Remote Unit has been properly terminated in a wall outlet/ panel in each location and there is a patch cable long enough to connect the Remote Unit and the Local Unit to their respective outlets. The cabling should not go through any networking equipment (i.e. router, switch).

ST121DVI25

*actual product may vary from photos

Installation

1. Turn off the video source (i.e. computer) and the intended display device (i.e. monitor).
2. Position the Receiver Unit near the remote display.
3. Position the Transmitter Unit near the video source.
4. Connect the video source to the DVI/HDMI port on the rear panel of the Transmitter Unit, using a male/male cable.
5. Connect the remote display to the DVI/HDMI port located on the rear panel of the Receiver Unit using a male/male cable.
6. Connect the Transmitter Unit to the Receiver Unit, using standard RJ45 terminated UTP Cat6 cable (see "Preparing Your Site").
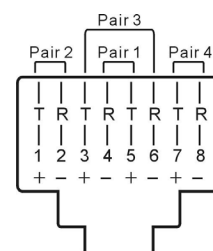7. Connect the power adapters (provided) to both Transmitter and Receiver Units.

NOTE: Both units can also be powered from a local USB port, by using a USB cable (sold separately). You may also only connect power to the Transmitter Unit, however maximum UTP cable length will be reduced to 20m.

8. Turn on the display device first, followed by the video source.

Wiring Diagram

The UTP cable must be wired according to the EIA/TIA 568B industry standard as shown below.

Pin	Wire Color	Pair
1	White/Orange	2
2	Orange	
3	White/Green	3
4	Blue	1
5	White/Blue	
6	Green	3
7	White/Brown	4
8	Brown	

ST121HD25

*actual product may vary from photos

Specifications

	ST121DVI25	ST121HD2
Video Signal	DVI-D (digital)	HDMI
Connectors (Transmitter Unit)	1 x DVI-I 29-pin female 1 x RJ45 Ethernet female 1 x USB mini-B female (power)	1 x HDMI type A female 1 x RJ45 Ethernet female 1 x USB mini-B female (power)
Connectors (Receiver Unit)	1 x DVI-I 29-pin female 1 x RJ45 Ethernet female 1 x USB mini-B female (power)	1 x HDMI type A female 1 x RJ45 Ethernet female 1 x USB mini-B female (power)
LEDs	Transmitter: 1 x Power Receiver: 1 x Power	
Maximum Video Resolution	1920 x 1080 (1080p) @ 25m	
Maximum Cable Length	Cat6: 25m / 80ft DVI: 10m / 32ft	Cat6: 25m / 80ft HDMI: 10m / 32ft
Power Adapter	5VDC, 1000mA	
Enclosure Material	Plastic	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Storage Temperature	0°C ~ 60°C (32°F ~ 140°F)	
Humidity	20% ~ 90% RH	
Dimensions (per Unit)	80.0mm x 55.0mm x 23.0mm	75.0mm x 55.0mm x 23.0mm
Weight (per Unit)	110g	110g

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Warranty Information

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